APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Kamzolkin, V. V., Rashkirov, A. N., Sokova, K. M. and others.
CONVERSIONS OF HIGHER ALIPHATIC ALCOHOLS IN THEIR LIQUID-PHASE OXIDATION. [1963] 14p 29refs
Order from OTS, SLA, or ETC $1.60 TT-64-10786

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 5] p. 675-682. (Abstract available)

DESCRIPTORS: *Alcohols, *Oxidation, Molecular structure, *Esters, *Ketones, Synthesis (Chemistry).

It was established that during liquid-phase oxidation of higher n-aliphatic alcohols oxidation reactions occur also in the alkyl-part of molecule with formation of bifunctional compounds, the portion of which in reaction products varies as function of OH-group position in the molecule. This portion drops with OH-group displacement from end of chain toward middle of chain. (Chemistry--Organic, TT, v. 11, no. 9) (over)

TT-64-10786

I. Kamzolkin, V. V.
II. Rashkirov, A. N.
III. Sokova, K. M.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

KFK-tr-131 Uncl.

γ-RADIOLYSE VON n-HEXAN IN GEGENWART VON GERINGEN MENGEN BENZOL. (γ-Radiolysis of n-Hexane in the Presence of Limited Amounts of Benzol). L. S. Polak, N. Ya. (Ja.) Chernyak (Cernjak), V. A. Skakhray (Sachraj), and A. S. Shcherbakova (Scerbakova). Translated into German by Peter Buriks (Kernreaktor Bau- und Betriebs-Gesellschaft m.b.H., Karlsruhe, Germany) from Neftekhimiya, 1: 695-9(Sept.-Oct. 1961). 10p. Russian

For abstract, see NSA, 16: 20512.

Chemistry; Translations MC-4
C-4 NP RC Dep.(mc); $1.10(fs), $0.80(mf)
N-9 JCL

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Grishina, O. N. and Sabirova, R. Z.
SYNTHESIS OF DICHLORIDES OF ALKYLPHOSPHONIC ACIDS FROM n-PARAFFINIC HYDROCARBONS BY THE METHOD OF OXIDATIVE PHOSPHONATION. [1963] 5p.
Order from ATS $7.50 ATS-81Q66R

Trans. of Neftekhimiya (USSR) 1961, v. 1, no. 6, p. 796-799.

DESCRIPTORS: *Hydrocarbons, *Phosphonic acids, *Alkyl radicals, *Chlorides, Synthesis.

(Chemistry--Organic, TT, v. 10, no. 3)

63-12823

I. Title: Oxidative Phosphonation
I. Grishina, O. N.
II. Sabirova, R. Z.
III. ATS-81Q66R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-4023

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Investigation of the Recombination Products of Alkyl Radicals in Liquid-Phase [illegible] Radiolysis of n-Hexane, by N. A. Belikova, V. G. Berezkin, 15 pp.

RUSSIAN, PER, Neftekhimiya, 1, No 6, 1961, pp 828-835. 9679696

FTD-TT-62-1270

Sci-Chem, Phys
Mar 63

224,810

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Eidus, Ya. T., Nefedov, B. K., and Lobzova, A. V. CATALYTIC POLYMERIZATION OF OLEFINS. PT. 15. LIQUID PRODUCTS OF ETHYLENE POLYMERIZATION ON THE CATALYST NICKEL-OXIDF-ALUMINO-SILICATE, UNDER HIGHER PRESSURE. [1963] [9]p. 5refs.
Order from OTS, SLA, or ETC $1.10 TT-63-18842

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 1] p. 21-27. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Ethylenes, Polymerization, *Catalysts, *Nickel catalysts, *Aluminum compounds, *Silicates, Liquids, Hydrocarbons, Raman spectroscopy

The polymerization of ethylene on impregnated NiO-aluminosilicate catalyst at 275-300 C under 5-30 atm. in a space velocity range from 100 to 2,000 (Materials--Plastics, TT, v. 11, no. 1) (over)

TT-63-18842

I. Eidus, Ya. T.
II. Nefedov, B. K.
III. Lobzova, A. V.
IV. Title: Liquid ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Catalytic Properties of Rhenium-Aluminum-Palladium Catalysts in the Reactions of Hydrocarbons and Their Mixtures, by M. A. Ryashentseva.
RUSSIAN, per, Neftekhimiya, No 1, 1962, pp 37-40.
NTC 72-14391-07D

Jan 73

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Energy Transfer in the Radiolysis of Hydrocarbons, by A. M. Brodskiy, Yu. A. [illegible] Kolbanovskiy, et al, 24 pp.

KM RUSSIAN, per, Neftekhimiya, Vol II, No 1, 1962, pp 54-67. 921340

AEC-tr-5900

Sci-Phys

Sep 63

345, 241

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Influence of the Structure of Hydrocarbons on the Formation of Radicals During Low-Temperature Gamma-Radiolysis in the Solid Phase, by O. L. Lependina, L. S. Polak, 6 pp.

RUSSIAN, per. Neftekhimiya, Vol II, 1962, pp 68-70.

9213037

AEC-Tr-5851

Sci - Nucl Sci

Aug 63

343,639

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Isolation of Methylcyclopentane and Cyclohexane From Petroleum Fractions by Ye. M. Damaskvili, 8 pp.

RUSSIAN, per. Neftekhimiya, Vol 2, No 2, 1962, pp 160-163. 9669968

FTD-TT-63-563

Sci - Chem

Sept 63

344,689

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Polyanskii, N. G., Markevich, S. M. and others.
THE SELECTIVE EXTRACTION OF ISOAMYLENES FROM HYDROCARBON MIXTURES. [1963] [8]p.
12 refs.
Order from OTS or SLA $1.10 63-18750

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 2]. p. 164 -169.

DESCRIPTORS: Pentanes, *Methyl radicals, *Butenes, Alcohols, Petroleum, Ion exchange resins, Hydrocarbons, Mixtures.

It was found that only the tertiary amylenes, of all C_5-olefins in pentane-amylenic fraction, are hydrated in the presence of H-cation exchanging resin KU-2 at 75 C. Under dynamic conditions, the conversions of amylenes per pass were unaffected by water addition to the catalyst. T.-amylic alcohol could be produced at any dilution of the t.-amylenes on the ion-exchanger by
(Chemistry--Organic, TT, v. 10, no. 11) (over)

63-18750

1. Title: Isoamylenes
I. Polyanskii, N. G.
II. Markevich, S. M.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Effect of Heat Treatment of Aluminosilicate Catalysts in Vacuo on their Structure, by K.V. Topchieva and E.N. Rosolovskaya. RUSSIAN, per, Neftekhimiya, 1962, vol.2, no.2, pp. 175-178.

ATS-83 R 76 R

Mat/Metal
Aug 66 307,697

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Sharaev, O. K., Topchieva, K. V. and others.
THE NATURE OF INDUCTION PERIOD IN ETHYLENE POLYMERIZATION ON CHROMIA CATALYST.
[1963] 2p. 1 ref.
Order from OTS or SLA $1.10 63-18848

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 2] p. 187-188.

DESCRIPTORS: *Polyethylene plastics, *Ethylenes, Polymerization, *Chromium catalysts, Solvents, *Octanes.

Experimental results of chromia catalyst treatment by isooctane confirmed that formation of the catalytic activity occurs during the induction period because of a reduction of the hexavalent chromium catalyst under the action of reagent- the ethylene. (Author)

(Materials--Plastics, TT, v. 10, no. 12)

63-18848

I. Sharaev, O. K.
II. Topchieva, K. V.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

R-1122-X

Radiation Thermal Cracking of Hydrocarbons (USSR),
by Topchiyev, A. V.

RUSSIAN, per, Neftekhimiya, Vol II, No 2, 1962,
pp 196-210.

*JPRS/Redstone Arsenal

Sci-Phys
Feb 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Smirnov, O. K. and Grineva, N. I.
CONJUGATED OXIDATION OF PHOSPHORUS TRICHLORIDE AND MIXTURES OF ALIPHATIC HYDROCARBONS. [1964] 6p
Order from ATS $7.75 ATS-34Q74R

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 2, p. 237-241.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-12748

I. Smirnov, O. K.
II. Grineva, N. I.
III. ATS-34Q74R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Shokova, E. A., Khromov, S. I. and others.
CATALYTIC REARRANGEMENTS OF CYCLONONANE AND CYCLODECANE IN THE PRESENCE OF A NICKEL CATALYST. [1963] [10]p. 10 refs.
Order from OTS or SLA $1.10 63-18752

Trans. of Neftekhimiya (USSR) 1962, v. 2, p. 280-287.

DESCRIPTORS: *Methanes, *Octanes, *Cyclohexanes, *Methyl radicals, *Cyclopentanes, *Heptanes, *Nickel catalysts, Raman spectroscopy, Kieselguhr, Benzenes, Catalysis.

Catalytic conversions of cyclononane and cyclodecane were studied in the presence of nickel upon kieselguhr and in a stream of hydrogen at 200 and 250 C. The substances undergo under these conditions a transannular dehydrocyclization, a direct hydrogenolysis and a stepwise isomerization of their cycles. The reaction products of cyclononane were n-nonane, n-octane, (Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18752

1. Title: Cyclodecane
2. Title: Cyclononane
I. Shokova, E. A.
II. Khromov, S. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Sterligov, O. D. and Rozhkova, M. I.
CONTINUOUS ISOMERIZATION OF THE 2-METHYL-BUTENES-2 AND -1 [INTO] 3-METHYLBUTENE-1. [1963] [3]p. 3 refs.
Order from OTS or SLA $1.10 63-18846

Trans. of Neftekhimiya (USSR) 1962, v. 2, p. 288-290.

DESCRIPTORS: *Butenes, Methyl radicals, *Molecular isomerism, Synthesis (Chemistry), Catalysts, Aluminum compounds, Oxides, Fractionation, Polyethylene plastics.

The possibility of a continuous process for the synthesis of 3-methylbutene-1 is shown, based on the isomerization of the two other isoamylenes on active aluminum oxide and a subsequent fractionation in efficient laboratory columns. Process continuity was reached through combination of the isomerization and fractiona-
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18846

1. Title: 2-Methyl 1-butene
2. Title: 2-Methyl 2-butene
3. Title: 3-Methyl 1-butene
I. Sterligov, O. D.
II. Rozhkova, M. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Topchieva, K. V. and Rosol'skaya, E. N.
EFFECT OF DEHYDRATION OF ALUMINOSILICATE CATALYST ON ITS ACIDITY. [1964] 9p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14945

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 3] p. 298-304.

OTS-TT-64-22251

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14945

I. Topchieva, K. V.
II. Rosol'skaya, E. N.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Preparation of Stereospecific Polymers by Y-Irradiation of Inclusion Complexes, by O. Glavati, L. Polak.

RUSSIAN, per, Neftekhimiya, Vol II, No 2; 1962, pp 318-323.

CSIRO/No 6196 (14 pp)
OTS 63-19910 (9 pp-1.60)
OTS: JPRS 63-19945 (9 pp-1.10)
341,999

Sci-Chem

Aug 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Mavlyutova, E. G., Vigulyarov, G. N., and Imaev, M. G.

VAPOR-PHASE OXIDATION OF PETROLEUM RAW-MATERIAL TO PHTHALIC ANHYDRIDE IN A FLUIDIZED CATALYST BED. 12p 4 refs

Order from OTS, SLA, or ETC $1.60 TT-64-16687

Trans. of Neftekhimiya (USSR) 1962, v. 2, [no. 3] p. 362-367.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-64-16687

I. Mavlyutova, E. G.
II. Vigulyarov, G. N.
III. Imaev, M. G.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Effect of the Reagent Structures and Molecular Weights on the Reaction of Aliphatic Alcohols with Primary Amines, by G. A. Kliger, An N. Bashkirov, Kuang-yu Lai, Yu. B. Kagan, 13p. RUSSIAN, per, Neftekhimiya, Vol 2, No 3, 1962, pp 384-390. SLA TT-65-10232

333, 824

Sci
Aug 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Vigderhaus, M. S., Holbert, K. A. and others
GAS PARTITION CHROMATOGRAPHY OF ISOBUTANE OXIDATION PRODUCTS. [1962] 11p. (figs. omitted) refs.
Order from OTS or SLA $1.60 63-10665

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 3, p. 410-415.

DESCRIPTORS: Chemical analysis, Liquids, Oxidation, Hydrocarbons, *Hydrogen peroxide, *Chromatographic analysis, *Gas chromatography, *Butanes, Polymerization.

Analysis techniques of oxidation products of isobutane that is reduced to hydrogen peroxide were developed. Analysis of raw material and residual gas formed in oxidation process were developed. (Author)

(Chemistry--Analytical, TT, v. 9, no. 10)

63-10665

I. Vigderhaus, M. S.
II. Holbert, K. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

TWELFTH CONFERENCE ON HIGH MOLECULAR COMPOUNDS DEVOTED TO MONOMERS, BY M. A. DALIN, T. I. CHERNYSHEVA, 13 PP.

RUSSIAN, PER, NEFTEKHIMIYA, VOL II, NO 3, 1962. PP 415-419

JPRS 15803

SCI-CHEM

OCT 62

215,001

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

REVIEW OF THE PROCEEDINGS OF THE SCIENTIFIC AND TECHNICAL CONFERENCE ON ADDITIVES TO OILS AND FUELS, BY YE. S. SHCHEPELEVA, AND V. V. SHER, 10 PP.

RUSSIAN, PER, NEFTEKHIMIYA, VOL II NO 3, 1962, PP 420-423.

JPRS 15803

SCI-CHEM
OCT. 62

FTD-TT-61-779
9696050 215,000

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Tyurynev, I. Yu. and Vinnik, N. F.
KINETIC RELATIONSHIPS IN THE ONE-STEP VACUUM DEHYDROGENATION OF n-BUTANE TO BUTADIENE. [1964] 9p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-10776

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4, p. 436-441].

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10776

I. Tyurynev, I. Yu.
II. Vinnik, N. F.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Bogdanova, O. K., Shcheglova, A. P., and Balandin, A. A.
THE CATALYTIC DEHYDROGENATION OF INDIVIDUAL ISOPENTENES INTO ISOPRENE. [1963] [7]p. 11 refs
Order from OTS or SLA $1.10 63-18843

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 442-447.

DESCRIPTORS: *Isoprene, *Pentenes, *Dehydrogenation, Catalysts, Catalysis, *Reaction kinetics, Temperature, Oxides,

Catalytic dehydrogenation kinetics of isopentene isomers to isoprene was studied on an oxide catalyst 560-600 C and a passage rate of 5 hour^{-1}, with steam dilution in wt. ratio 1:3, 2, 3. Reaction rate constants were determined and also the tendency for (Materials--Elastomers, TT, v. 10, no. 12) (over)

63-18843

I. Bogdanova, O. K.
II. Shcheglova, A. P.
III. Balandin, A. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Kazanskii, B. A., Dorogochinskii, A. Z. and others. DEHYDROGENATION OF ISOPENTANE TO ISOAMYLENES ON THE ALUMINA-CHROMIA-POTASSIA CATALYST. [1963] [13p] 16refs
Order from OTS or SLA $1.60 63-20214

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 4, p. 448-456.

DESCRIPTORS: *Catalysts, Oxides, Potassium compounds, Chromium compounds, Aluminum compounds, *Pentanes, Dehydrogenation, *Pentenes, Ethylenes.

A systematic study was made on dehydrogenation of isopentane to amylenes upon the stationary and fluidized catalyst K-544, which was stable; catalyst consumption did not exceed 0.47 wt. % of raw material, which permits its use as mobile catalyst. Regeneration (Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20214

1. Title: Isoamylenes
I. Kazanskii, B. A.
II. Dorogochinskii, A. Z.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Shuikin, N. I., Timofeeva, E. A., Plotnikov, Yu. N., and others.
PRODUCTION OF ALKENES C_6-C_{10} BY CATALYTIC DEHYDROGENATION OF ALKANES. [1963] 17p 33refs Order from OTS, SLA, or ETC $1.60 TT-64-10107

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 457-466. (Abstract available).

DESCRIPTORS: *Alkenes, *Hexenes, Production, *Alkanes, *Hexanes, *Dehydrogenation, *Catalysis, Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides.

Dehydrogenation of 2-methylpentane, 3-methylpentane and 2,3-dimethylbutane on alumina-chromia-potassia catalyst at 500 C and a space velocity of 0.5 hour^{-1} showed that C_6 alkanes, with a chain shorter than 6 C atoms, give easily 32 to 40% of alkenes in the catalyzate. Existence of two types active centers, dehy- (Chemistry--Organic, TT, v. 11, no. 5) (over)

TT-64-10107

I. Shuikin, N. I.
II. Timofeeva, E. A.
III. Plotnikov, Yu. N.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Belomestnykh, I. P., Bogdanova, O. K., and Balandin, A. A.
EFFECT OF STRUCTURE OF HYDROCARBONS ON THEIR DEHYDROGENATION KINETICS. [1963] [7p] 5refs
Order from OTS or SLA $1.10 63-20211

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 467-472

DESCRIPTORS: *Hydrocarbons, *Dehydrogenation, *Molecular structure, Reaction kinetics.

Catalytic dehydrogenation kinetics was studied on a series of alkaryls. It was found, that all alkylaromatic hydrocarbons with branched radicals and with substituents in the ring dehydrogenate more rapidly. Changes of free energy, heat content, entropy were determined during adsorptive displacement from the catalytically (Chemistry--Organic, TT, v. 10, no. 11) (over)

63-20211

I. Belomestnykh, I. P.
II. Bogdanova, O. K.
III. Balandin, A. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Shulkin, N. L. and Naryshkina, T. I.
CATALYTIC DEHYDROGENATION OF PETROLEUM-METHYLCYCLO-PENTANE. [1963] 10p 20refs
Order from OTS, SLA, or ETC $1.10 TT-64-10102

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 473-479. (Abstract available)

DESCRIPTORS: *Petroleum, *Cyclopentanes, Methyl radicals, *Dehydrogenation, Catalysis, *Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides, Activated carbon, *Cyclopentadiene, Production.

The reaction of dehydrogenation of the methylcyclopropane fraction 69-75 C from Baku gasoline of straight distillation was investigated in the presence of different oxide catalysts and active carbon. It was established, that at 600 C, under a pressure reduced to 15-20 mm. Hg. and at a supply rate of 0.3 hour^{-1}, the yield in
(Chemistry--Organic, TT, v. 11, no. 5) (over)

TT-64-10102

I. Title: Methylcyclopentane
I. Shulkin, N. I.
II. Naryshkina, T. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Lavrovskii, K. P., Brodskii, A. M., Musaev, I. A., Sanin, P. I., and Rumyantsev, A. N.
PRODUCTION OF HIGHER NORMAL α-OLEFINS BY HIGH-SPEED CRACKING OF PARAFFINIC PETROLEUM PRODUCTS. [1963] [11p] 15refs
Order from OTS or SLA $1.60 63-20209

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 487-49[illegible]

DESCRIPTORS: *Petroleum, Synthetic waxes, Distillation, *Ethylenes, Production, *Hydrocarbons, Gas chromatography, Gasoline, Decomposition.

Production possibility of unsaturated hydrocarbons, particularly α-olefins, through high-speed cracking of paraffinic petroleum products was investigated. It was found, that the cracking gases contain 30-50% ethylene. The fraction 60-175 C, produced in cracking of solid, (Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20209

I. Lavrovskii, K. P.
II. Brodskii, A. M.
III. Musaev, I. A.
IV. Sanin, P. I.
V. Rumyantsev, A. N.

AT3. 70K 7912

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Manukovskaya, L. G., Solomin, A. V., Suvorov, B. V., and Rafikov, S. R.
CONTINUOUS METHOD FOR TEREPHTHALIC ACID PRODUCTION BY LIQUID-PHASE OXIDATION OF p-XYLENE. [1963] [6p] 18refs
Order from OTS or SLA $1.10 63-20213

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 4, p. 531-539.

DESCRIPTORS: *Xylenes, Oxidation, *Terephthalic acid, Chemical reactions, Synthesis (Chemistry).

Liquid phase oxidation of p-xylene by molecular oxygen, with and without n-butyric acid as solvent, was studied in the presence of cobalt bromide catalyst. It was found that the oxidation degree in the presence of $CoBr_2$ is greatly increased by addition of easy oxidable substances to the reaction mixture (e.g. n-butyraldehyde) (Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20213

I. Manukovskaya, L. G.
II. Solomin, A. V.
III. Suvorov, B. V.
IV. Rafikov, S. R.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Ustavshchikov, B. F., Farberov, M. I., and Podgornova, V. A.
SYNTHESIS OF METHACRYLIC ACID ON THE BASIS OF ISOBUTYLENE. [1963] [10p] 12refs
Order from OTS or SLA $1.10 63-20216

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 592-599.

DESCRIPTORS: *Butenes, *Acrylic acids, Methyl radicals, Synthesis (Chemistry), *Canavanine, Nitrogen compounds, Oxides, Catalysts, *Acrylic resins.

Reaction conditions of isobutylene with nitrogen tetroxide were found, producing α-oxyisobutyric acid in ~ 80% yield. Nitrozation and not nitration occurs under the conditions indicated and the intermediate α-nitrato-isobutyric acid is formed from the isonitrosocompound-α-nitratoisobutyric aldehyde. Catalyst and conditions were chosen for production of methacrylic acid in almost quantitative yield. (Author)

63-20216

I. Ustavshchikov, B. F.
II. Farberov, M. I.
III. Podgornova, V. A.

(Engineering--Chemical, TT, v. 10, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Tepenitsyna, E. P., Dorogova, N. K., and Farberov, M. I.
STUDY ON THE REACTION OF SELECTIVE OLIGOMERIZATION OF BUTADIENE TO CYCLODODECATRIENE. [1963] [10p] 16refs
Order from OTS or SLA $1.10 63-20210

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 4, p. 604-610.

DESCRIPTORS: *Butadienes, Chemical reactions, *Cyclododecatriene, Ziegler catalysts.

A series of catalytic systems for cyclododecatriene (CDT) production was investigated and three systems were the most active: $Al(C_2H_5)_2Cl + TiCl_4$; $Al(C_2H_5)_3 + CrCl_3$; $Al(i\text{-}C_4H_9)_3 + CrCl_3$. All three had high stereospecificity, forming only one of the two CDT forms, as a function of the second component in (Chemistry--Organic, TT, v. 10, no. 11) (over)

63-20210

I. Title: Oligomerization
I. Tepenitsyna, E. P.
II. Dorogova, N. K.
III. Farberov, M. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Miesserov, K. G.
ROLE OF THE CARRIER IN CHROMIA CATALYSTS FOR POLYMERIZATION. [1964] 10p 8refs
Order from OTS, SLA, or ETC $1.10 TT-64-10777

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 5] p. 681-687.

(Chemistry--Organic, TT, v. 12, no. 2)

TT-64-10777

I. Miesserov, K. G.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Catalytic Demethylation of Toluene, by
G. N. Maslyanskiy.
RUSSIAN, per, Neftekhimiya, Vol 2, No 5, 1962,
pp 709-715.
ATS RJ-5383

Sci-Chem
June 70

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Kamzolkin, V. V., Bashkirov, A. N., Kamzolkina, E. V., and Lodzik, S. A.
ON SOME RELATIONSHIPS IN THE LIQUID-PHASE OXIDATION OF OLEFINS. [1964] 7p 22refs
Order from OTS, SLA, or ETC $1.10 TT-64-10778

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 5] p. 750-755.

(Chemistry--Organic, TT, v. 12, no. 1)

TT-64-10778

I. Kamzolkin, V. V.
II. Bashkirov, A. N.
III. Kamzolkina, E. V.
IV. Lodzik, S. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Mamedov, Sh., Rzaev, A. S., and Nizker, I. L.
SYNTHESIS OF NEW PLASTICIZERS FROM THE KEROSENE BOILING RANGE NAPHTHENIC ACIDS.
9p (3 tables omitted) 11refs.
Order from OTS, SLA, or ETC $1.10 TT-64-16867

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 5, p. 788-792.
Partial trans. (p. 789-792) is available from OTS, SLA or ETC $1.10 as TT-64-14277 [4p].

(Materials--Plastics, TT, v. 12, no. 4)

TT-64-16867

I. Mamedov, Sh.
II. Rzaev, A. S.
III. Nizker, I. L.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Gulyaev, G. V., Kozlov, G. I. and others.
THE CONVERSION OF METHANE TO ACETYLENE IN A PLASMA JET. [1963] 3p.
Order from ATS $5.00 ATS-21Q70R

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 5, p. 793-794.

DESCRIPTORS: *Methanes, *Acetylenes, Plasma jets,

(Chemistry--Organic, TT, v. 10, no. 6)

63-17776

I. Gulyaev, G. V.
II. Kozlov, G. I.
III. ATS-21Q70R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-3959

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Chromatographic Determination of Heats of Adsorption of Lower Hydrocarbons by Type 5a Zeolites, by A. V. Kiselev, E. V. Khrapova, K. D. Shcherbakova, 9pp.
RUSSIAN, per Neftekhimiya, Vol 2, No 6, 1962, pp 877-884.
CFSTI ATS-76R77R.

322,305

Sci - Chemistry
Mar 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Blyumberg, E. A., Norikov, Yu. D., and Smirnov, E. S.
APPLICATION OF GAS-LIQUID CHROMATOGRAPHY FOR THE ANALYSIS OF THE OXIDATION PRODUCTS FROM SOME HYDROCARBONS. [1963] 6p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-10105

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 6] p. 897-900. (Abstract available)

DESCRIPTORS: *Hydrocarbons, *Butanes, Oxidation, Peroxides, Alcohols, Carboxylic acids, Esters, *Chromatographic analysis,

The method of gas-liquid chromatography was applied for analysis of the neutral products from liquid-phase oxidation of n-butane. A method of separation and of quantitative determination was developed for the oxidation products of high boiling hydrocarbons, by application of chromatograph with microcathrometer, which permit measurements at 400 C. (Author)

TT-64-10105

I. Blyumberg, E. A.
II. Norikov, Yu. D.
III. Smirnov, E. S.

(Chemistry--Analytical, TT, v. 11, no. 5)
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Karpukhina, G. V. and Maizus, Z. K.
STUDY ON LIQUID-PHASE OXIDATION OF n-DECANE WITH APPLICATION OF GAS-LIQUID CHROMATOGRAPHY. [1963] 6p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-10096

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 6] p. 901-905. (Abstract available)

DESCRIPTORS: *Decanes, Oxidation, *Ketones, Synthesis (Chemistry), Chromatographic analysis,

A method was developed for separation of the ketones C_7-C_{10} and of isomeric decanones with the carbonyl-group in positions 2, 3 and 4 by means of gas-liquid chromatography on different liquid immobile-phases. It was shown, that during oxidation of n-decane the ketones with a shorter chain were not formed, i.e. the successive reactions of formation of oxidation products
(Chemistry--Analytical, TT, v. 11, no. 9) (over)

TT-64-10096

1. Title: Decanones
I. Karpukhina, G. V.
II. Maizus, Z. K.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Application of Gas-Fluid Chromatography in the Analysis of the Liquid Products of the Vapour-Phase Thermal Nitration of Propane and of the Interaction Products of Methyl Radicals With Nitrogen Peroxide, by A. P. Ballod. FOR OFFICIAL USE ONLY/USIB USE ONLY

RUSSIAN, per, Neftekhimiya, Vol II, No 6, 1962 pp 924-927.

JIB T 3102

Dec 63

T/L T-5432

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Fel'dblyum, V. Sh., Komissarova, G. P., Myasnikova, L. D. and others.
ISOPRENE SYNTHESIS FROM PROPYLENE. I. ANALYSIS OF ALKYLALUMINUMS DURING PROPYLENE DIMERIZATION. [1963] 8p 20refs
Order from OTS, SLA, or ETC $1.10 TT-64-14455

Trans. of Neftekhimiya (USSR) 1963, v. 3 [no. 1] p. 13-19. (Abstract available)

DESCRIPTORS: *Isoprene, Synthesis (Chemistry), *Propenes, Polymerization, Catalysts, *Metalorganic compounds, *Ziegler catalysts, Aluminum compounds.

A comparative evaluation was made of the results, produced by the most used methods for aluminum-alkyls analysis in the process of propylene dimerization. In addition to these methods, a simple procedure of determination of the starting catalyst activity in the
(Chemistry--Organic, TT, v. 11, no. 7) (over)

TT-64-14455

1. Title: Aluminum triisobutide
I. Fel'dblyum, V. Sh.
II. Komissarova, G. P.
III. Myasnikova, L. D.
IV. Title: Analysis ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Synthesis of Isoprene from Propylene. 2. Isomerization of Liquid 2-Methylpentene-1 on Solid Acid Catalysts, by V. Sh. Fel'dblyum, S. I. Kryukov, M. N. Barberov, A. V. Golovko, I. Ya. Tyunyaev, Ilp.

RUSSIAN, per, Neftekhimiya, Vol 3, No 1, 1963, pp 20-27.

SLA TT-65-10233

333, 312

Sci

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Comparison of the Reactivities of Allylbenzene and of Allylcyclohexane Polymerizations upon Chromia Catalyst, by A. V. Kopchiev, E. A. Mushina, A. I. Pere'man, 13p.
RUSSIAN, per, Neftekhimiya, Vol 3, No 1, 1963, pp 74-81.
SLA TT-65-10237

336, 156

Sc1
Aug 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Bakalo, L. A., Krentsel, B. A., and Topchev, A. B. THE STUDY OF CATALYTIC POLYMERIZATION OF EPICHLOROHYDRIN. [1964] [18p] (2 figs omitted) 20refs
Order from OTS, SLA, or ETC $1.60 TT-64-10162

Trans. of Neftekhimiya (USSR) 1963, v. 3, p. 206-216.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10162

I. Bakalo, L. A.
II. Krentsel, B. A.
III. Topchev, A. B.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Radiation Polymerization of n-Heptene in Presence of $TiCl_4$, by Yu. A. Kolbanovskiy, L. S. Polak, et al, 8 pp.
RUSSIAN, per, Neftekhimiya, Vol III, No 2, 1963, pp 222-226. 9697341
FTD-TT-65-31

Sci-Phys
Jul 65 282,714

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Kryukov, Yu. B., Smirnova, R. M. and others.
THE INTERMEDIATE STAGES OF LIQUID PHASE OXIDATION OF SECONDARY ALCOHOLS TO KETONES. [1963] [10]p. 24 refs.
Order from OTS or SLA $1.10 63-18844

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 2, p. 238-245.

DESCRIPTORS: *Ketones, *Alcohols, *Oxidation, Phase studies, Oxygen, Isotopes, Hydroxyl radicals, Exchange reactions.

It was established by the example of tetradecanols, that the liquid-phase oxidation process of higher secondary alcohols by molecular oxygen, enriched with the heavy isotope O^{18}, is accompanied by an oxygen isotope exchange between the reaction products - ketone and water. The exchange rate is slower than the reaction rate, leading to oxygen exchange. Process of sec. (Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18844

I. Kryukov, Yu. B.
II. Smirnova, R. M.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Alkylation of Ferrocene by Olefins in the Presence of Compounds of Boron Fluoride and Aluminum Chloride, by Ya. M. Paushkin, T. P. Vishnyakova, 7 pp.
RUSSIAN, per, Neftekhimiya, Vol 3, No 2, 1963, pp 280-284. P100184968-V
FTD-HT-67-290

Sci/Chem
Sept 68

365,004

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Ivanov, K. I., Savinova, V. K., and Zhakhovskaya, V. P.
THERMAL STABILITY OF ALKYL HYDROPEROXIDES.
[1964] 9p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14955

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 3, p. 352-359.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14955

I. Ivanov, K. I.
II. Savinova, V. K.
III. Zhakhovskaya, V. P.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

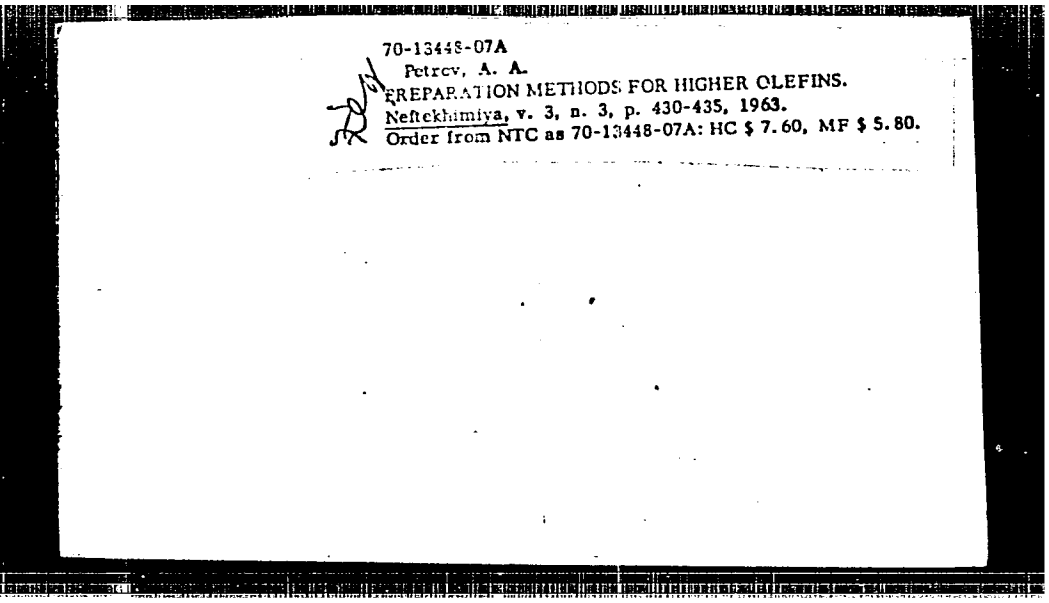
Use of Coarse Porous Glass in Gas-adsorption Chromatography for the Separation of Liquid Hydrocarbons, by S. P. Zhdanov, A. V. Kiselev, et al. 15 pp.
RUSSIAN, per, Neftekhimiya, Vol 3, No 3, 1963, pp 417-424. 9700176
FTD-TT-65-1487

Sci/Fuels
May 66

299,478

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2



70-13448-07A
Petrov, A. A.
PREPARATION METHODS FOR HIGHER OLEFINS.
Neftekhimiya, v. 3, n. 3, p. 430-435, 1963.
Order from NTC as 70-13448-07A: HC $ 7.60, MF $ 5.80.

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Bogdanov, M. L.
CALCULATION OF DEHYDROGENATION REACTION EQUILIBRIA IN CONVERSIONS OF BUTANE-BUTYLENIC MIXTURES AND OF n-BUTENES TO BUTADIENE-1, 3, PT. 2. [1964] 10p 1ref
Order from CTS, SLA, or ETC $1.10 TT-64-1495

Trans. of Neftekhimiya (USSR) 1963, v. 3 [no. 4] p. 488-493.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14954

1. Bogdanov, M. L.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Initiiertes Kracken von Propan-Butan-Gemischen,
by A. D. Stepukhovich.
RUSSIAN, per. Neftekhimiya, Vol 3, No 4, 1963,
pp 531-540.
NLL 5413.2835 (Mul-tr-16)

Sci-Mat
Nov 67

345.347

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Blyumberg, E. A., Malievskii, A. D., and Emanuel, N. M.
EFFECT OF SOLVENTS ON THE MECHANISM OF LIQUID-PHASE OXIDATION OF n-BUTANE. [1964] 7p
Order from ATS $13.75 ATS-65R74R

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 4, p. 541-547.

(Chemistry--Organic, TT; v. 11, no. 12)

TT-64-12751

I. Blyumberg, E. A.
II. Malievskii, A. D.
III. Emanuel, N. M.
IV. ATS-65R74R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Denisov, E. T. and Kharitonov, V. V.
KINETIC-EQUILIBRIUM CONCENTRATIONS OF INTERMEDIATE PRODUCTS IN THE OXIDATION OF CYCLOHEXANOL. [1964] 8p
Order from ATS $11.75 ATS-67R74R

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 4, p. 558-564.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-12756

I. Denisov, E. T.
II. Kharitonov, V. V.
III. ATS-67R74R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

A Study og the Kinetics and Mechanisms of the Liqiud-Phase Oxidation of Cycloiddidecane by Molecular Oxygen. Part IV, Study of the Oxidation Mecahnism of Cyclododecane by the Inhibition Methods, by V. G. Bykovchenko, 5 pp.
RUSSIAN, per, Neftekhimiya, Vol III, No 4, 1963, pp 565-571.
ICE Vol 4, No 3, pp 391-395.

309,066

Aug 66

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Radiation Polymerization of Allyl Alcohol and Some Other Allyl Derivatives, by S. A. Dolmatov, L. S. Polak, 9 pp.

RUSSIAN, per, Neftekhimiya, Vol III, No 5, 1963, pp 683-689.

CIA/FDD XX-1636
NO FOREIGN DISSEM

TC - 188
269,685

Sci
USIBI n

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Gaseous-Phase Ethylene Polymerization Kinetics and Chromia and Molybdena Catalysts
by M. A. Landau, V. V. Shchekin.
RUSSIAN, per, Neftekhimiya, Vol III, No 5, 1963, pp 713-718.
SLA TT 64-18772

Apr 67 323,014

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Polysiloxanes as Antifrictional and Anti-Wear Additives to Petroleum Lubricating Oils, by G. V. Vinogradov, N. S. Nametkin. RUSSIAN, per, Neftekhimiya, Vol 3, No 5, 1963, pp 792-798.
SLA TT-66-10616

Sci-M&M
Jul 66

306,084

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Microbiological Dewaxing Process Yielding Protein-Vitamin Concentrates,, by A. Champagnat, Ch. Vernet, et al, 17 pp.
RUSSIAN, per, Neftekhim, Vol III, No 5, 1963, pp 799-810. 9224459
NASA TT F-233

Sci - B & M Sci
Sep 64

264,997

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Polysiloxanes as Antifriction and Antiwear Admixtures to Petroleum Greases, by G. V. Vinogradov, N. S. Nametkin, 10 pp. RUSSIAN, per, Neftekhimiya, Vol III, No 5, 1963, pp 792-798. 9698377
FTD-TT-65-316

Sci - M/H
Nov 65

290,140

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Viscosity of C_{24} and C_{28} Polycyclic Hydrocarbons, by P. I. Sanin, Ye. I. Bagriy, et al, 12 pp.
RUSSIAN, per, Neftekhimiya, Vol 3, No 6, 1963, pp 835-844. 9697519
FTD-TT-65-317

Sci-Phys
Aug 65

287,068

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Radiational Stereospecific Polymerization of Acrylonitrile and Acrylic Acid in Montmorillonite Compounds, by O. Glavati.
RUSSIAN, per, Neftekhimiya, Vol 3, No 6, 1963, pp 905-910.
CSIRO/No.7307

Sci -
Aug 67

334,888

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Nature of Polysiloxanes and Its Effect
on Their Action as Admixtures to
Hydrocarbon Lubricating Agents,
by G. V. Vinogradov, N. S. Nametkin, et al.
9 pp.
RUSSIAN, per, Neftekhimiya, Vol 4, No 2,
1964, pp 345-350. 9697100
FTD-TT-64-1268

Sci-Chem
Jun 65

282,222

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Liquid-Phase Oxidation of 1-Butene, by
B. I. Chernyak.
RUSSIAN, per, Neftekhimiya, Vol 4, No 3,
1964, pp 452-457.
ATS-4762

Sci
Dec 68

368,696

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Mechanism of the Liquid-Phase Oxidation of Isopropyl Alcohol, by E. T. Denisov, V. M. Solyanikov, 5 pp.
RUSSIAN, per, Neftekhimiya, Vol 4, No 3, 1964, pp 458-465.
ICE in International Chemical Engineering 1964, v. 4, no. 4, pp 645-649.

336,006

Sci
Aug 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Synthesis and Properties of 1-Silyl-4-(Vinylsilyl) Benzenes, by E. N. Zhamonskaya, N. S. Nametkin, 13pp.
RUSSIAN, per. Neftekhimiya, Vol IV, No 3, 1964, pp 487-493. TP5002816
FTD-TT-65-1665

Sci - Materials
Jan 67

314,223

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Effect of Oxygen and Oxidation Initiators (Hydroperoxide) on Antiwear and Antifriction Properties of Polysiloxanes, by G. V. Vinogradov, N. S. Nametkin, 12 pp. RUSSIAN, per, Neftekhimiya, Vol IV, No 3, 1964, pp 510-517. 9697765 FTD-TT-65-315

Sci - Chem
Aug 65

287,546

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Liquid-Phase Oxidation of Hexenes,
by M. I. Farberov, G. D. Mantyukov.
RUSSIAN, per, Neftekhimiya, Vol 4, No 4,
1964, pp 584-590.
SLA TT-66-10733

Sci-Chem
Jul 66 305,546

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Liquid-Phase Oxidation of Alkylbenzenes in the Presence of Esterifying Substances, by A. N. Bashkirov, E. S. Alenteva. RUSSIAN, per, Neftekhimiya, Vol 4, No 4, 1964, pp 593-598.
SLA TT-66-10643

Sci-Chem
Jul 66 305,532

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Radiation-Catalytic Conversion of Cyclohexane,
by G.M. Zhabrova, V.B. Kazanskiy, et al.
RUSSIAN, per, Neftekhimiya, Vol 4, No 5, 1964,
pp 753-762. 9232865
AEC ORNL-tr-1216

Sci/Nuclear Sci
Jun 66

302,492

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Activity and Selectivity of Nickel Catalysts of Various Compositions in the Catalytic Demethylation of Toluene with Steam, by T. I. Poletayeva. RUSSIAN, per, Neftekhimiya, Vol 4, No 6, 1964, pp 844-849.
ATS RJ-5382

Sci-Chem
June 70

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Mechanism of Catalytic Partial Oxidation and Oxidative Ammonolysis of Propylene in the Presence of MoO_3-Ni_2O_3, by A. I. Gel'bshteyn.
RUSSIAN, per, Neftekhimiya, Vol 5, No 1, 1965, pp 118-125.
ATS RJ-5149

Sci-Chem
July 69

385,520

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Problem of the Mechanism of Isomerization and Dehydrogenation of Cyclanes Under Reforming Conditions, by G. V. Isagulyants, M. A. Ryashentseva, Yu. I. Derbentsev, Kh. M. Minachev, A. A. Balandin.
RUSSIAN, per, Neftekhimiya, Vol 5, pp 507-11.
ATS-51389R

331, 469

Sci - Chem
Jul 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Ways of Stepping Up the Liquid-Phase Oxidation of Paraffinic Hydrocarbons, by V. V. Veselov, Z. V. Sipeeva,
RUSSIAN, per, Neftekhim Akad Nauk Ukr SSR Inst Khim Vysokomolekul Soedin, 1964, pp 99-104.
ATS-4759

Sci
Dec 68

368,693

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Catalytic Dehydrogenation of C6-C10 Alkanes, by
N.I. Shuikin and E.A. Timofeyeva.
RUSSIAN,mono, Neftekhimiya Ashkhbad,1963, vol.
pp. 17-27.
ATS 67R78R

Chem
Aug 66

7
305,631

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

A. A. Vvedenskiy Yu. A. Tikhin

Heat capacity of aliphatic alcohols. 6 pp.
RUSSIAN, per, Neftepererabotka i Neftekhimiya,
No 11, 1961, pp 31-33.
AIR/FTD-TT-24-1602-71

June 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

A Small-Scale Installation for the Separation of the Light Benzine Fraction for Cracking Gas, by V. I. Kostiuk and A. G. Cheglikov, RUSSIAN, per, Neftepererabotka i Neftekhimiya, NTS, No 4, 1963, pp 11-13.
Army Mat Cmd
SI-7-75-607

Sci-Phys
Mar 67 320,127

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Method of Analysis of Microcontaminations Residues in Medium Distillate Fuels, by Ya.B. Chertkov, N. I. Marinchenko, etall. 7 pp.
RUSSIAN, per, Neftepererabota i Neftekhimiya, No 11, 1963, pp 16-18. 9700187
FTD-TT-65-1648.

Sci/Fuels
May 66

299,482

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

An Effective Crop Growth Stimulator From Petroleum-Refining Waste, by I. Kh. Arutyunov, A. I. Stolov, et al, 6 pp.
RUSSIAN, per, Neftepererabotka i Neftekhim, No 11, 1963, pp 22-24.
JPRS 25529

Sci - B & M
Aug 64 265,361

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Automatic Analyzer for the Coke Content of a Regenerated Spheroidal Catalyst, by
M. P. Kurochkin, M. N. Kirillov.
RUSSIAN, per, Neftepererabotka i Neftekhim, Nauchn Tekhn Sb, No 11, 1963, pp 41-42.
ATS RJ-4989

Sci-Phys
Feb 69 373,802

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Power Characteristics of Fuels for Aviation Gas-Turbine Engines, by V.N. Zrelov. 10 pp. RUSSIAN, per. Neftepererabota i Neftekhimiya, No 2, 1964, pp 22-26. 9700965
FTD-TT-65-1905

Sci/Fuels
Aug 66

306,255

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

A Five-Ball Friction Machine for Study of Lubricating Materials, by K. I. Klimov, V. A. Mikheyev, 8 pp.
RUSSIAN, per, Neftepererabotka i Neftekhimiya, No 3, 1964, pp 31-34. P100169368-V
FTD-HT-67-283

Sci/Mat
Aug 68

364,809

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Optimization of the Oxosynthesis Process, by V. L. Klimenko and E. Sh. Fuks, et al, 21 p.
RUSSIAN, per, Neftepererabotka i Neftekhimiya, No 6, 1964, pp 29-33.
SLA TT 65-14290

Sci-P&M
Jun 68

303,693

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Technology of Production of Petroleum Growth Substance, by M. G. Shakh-Zade, 6 pp.
RUSSIAN, per, Neftepererabotka i Khim, No 11, 1964, pp 24-27.
JPRS 25529

Sci - B & M
Aug 64 265,362

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

The Problem of Containers for Petroleum Products, by A. P. Solodko, B. A. Vaysman, 23 pp. UNCLASSIFIED

RUSSIAN, bk, Neftetarnoye Delo, 1949, Encl to AFOIN-1A1-443-54, 15 Dec 1954. CIA D 137215

AF 646056

USSR-Economic

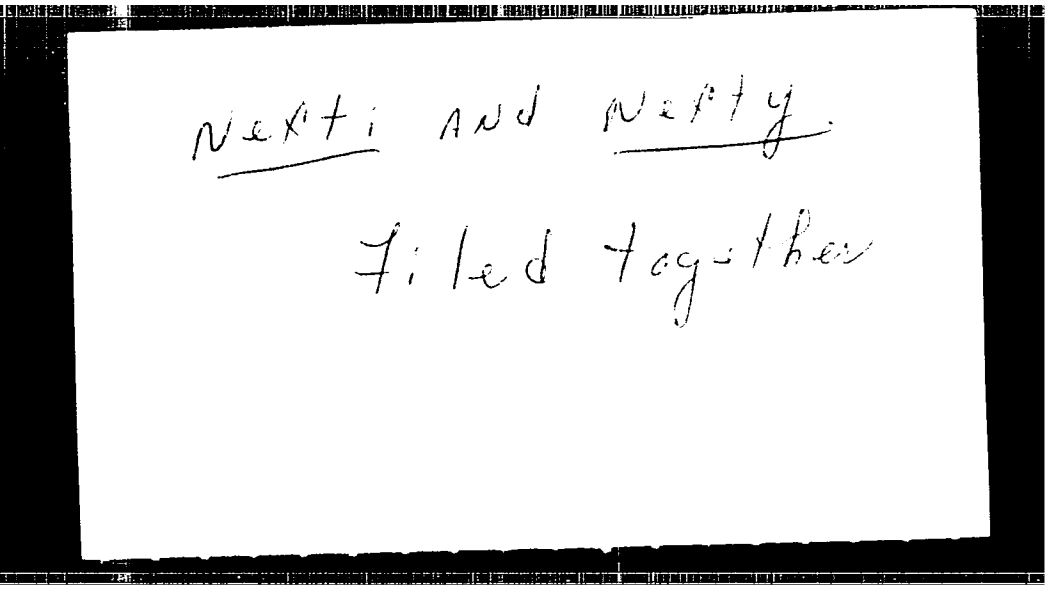
Scientific - Fuels

Mar 55 028/DEX

22,257

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2



APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Oil and Natural Gas of Siberia,
by A. A. Trofimuk.
RUSSIAN, rpt, Neft'i Prirodnyy Gas Sibiri,
Moscow, Jun 1964, 8 pp.
ACIC TC-847

Sci-Fuels
Mar 65

277,026

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Crude Oils of the Tatar ASSR, by E. A. Robinzon, 12 pp. UNCLASSIFIED

RUSSIAN, bk, Nefti Tatarskoy ASSR, 1956, Encl to SIR 2823.

AID/Dec 57

Sci - Fuels

61,060

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Azerbaydzhan is in Competition With the Bashkir [redacted] Republic.

RUSSIAN, per, Neftyanik, No 1, 1956, Encl to IR-1767-56.

AID

Sci

44,536

Mar 57/CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Practical [redacted] Experience Obtained at the Odessa Cracking Plant, 3 pp.

RUSSIAN, per, Neftyanik, No 1, 1956, pp 20, 21.
Encl to SIR-2482.

AID

46,550

Sci -
Apr 57 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Practical Observations on the Reclaiming of Automobile and Tractor Lubricating Oils, by V. G. Goncharenko, V. I. Bakhman, 4 pp.

RUSSIAN, per, Neftyanik, No 4, 1956, pp 3,4,
Encl to IR-1818-56, AFOIN-1A1.

AF 1043061

42,667

Sci - Fuels
USSR
Economic - Fuels
Jan 57 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Practical Experience of the Novaya UFA Refinery With the Processing of Goudron, by V. T. Mel'nikov, 5 pp.

RUSSIAN, per, Neftyanik, No 5, 1956, pp 4,6, Encl to IR-1859-56, AFOIN-1A1.

AF 1054013

42,659

Sci - Fuels, Petroleum
USSR
Economic - Petroleum refining
Jan 57 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2

Petroleum Production Techniques Recommended by the Sixth Five-Year Plan, 5 pp.

RUSSIAN, mo per, Neftyanik, No 6, Jun 1956, pp 1-4, Encl to IR 1213-57, AFOIN-1A1.

AF 1083136

46,382

USSR
Economic
Apr 1957 CIB/dex

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300850028-2